



# International Standards and Corporate Adoption Update



**JRIB - December 14, 2004**

**Rob Leibrandt, UID Deputy PM**

**Robert.Leibrandt@osd.mil**

**[www.acq.osd.mil/dpap/uid](http://www.acq.osd.mil/dpap/uid)**

**United States Department of Defense  
Undersecretary of Defense for Acquisition Technology and  
Logistics**



# Standards Activities to Enhance Interoperability

## > NATO

- Draft UID STANAG review within Asset Tracking Working Group (US lead)
- AC/327 Subgroup C to develop a UID policy on how it will be incorporated in Defense business processes. First draft due Jan 2005 (US and Germany leads)

## > ISO Proposal Status for Text Element Identifier (TEI) Format Code

- US TAG approved forwarding May 20, 2004 (reaffirmed 26 to 1 on Nov 12, 2004)
- **Affirmative ISO/IEC JTC1 SC 31 vote** to add ISO 15434 format code to include Aerospace 17/2/2 with 6 countries committing to work the proposal

## > Related ISO Initiatives

- TS 21849 agreement to include an XML capability for Spec 2000 (TEIs)
- ISO 15459 similar vision to "big UID" in DoD

## > EAN-UCC engaged to ensure equivalence where appropriate

## > Air Transport Association (ATA) approved aerospace engine manufacturers proposal for UID equivalence to ATA Spec



# UID/AIDC Value Proposition

## *The Rolls-Royce Experience*

- From manufacture to new build, read, record and/or transcribe component part numbers / serial numbers 4/5 times
- 4% of the Rolls-Royce population transcribe part information
- Rolls-Royce produce 1350 Gas Turbine engines / year
  - ✓ There are c. 20k components per engine
  - ✓ On the basis of 4 times = 108m times per year
  - ✓ 108m instances of 2 min/item = 3.6m hrs/yr
- This analysis neglects;
  - Aftermarket/Repair and Overhaul.
  - In service action.
  - C class parts.
  - Time taken to locate and change duplicate serial numbers .
  - Advantage of cross-platform visibility

**QUALITY ESCAPES ARE A CERTAINTY WITH MANUAL METHODS**



# Corporate Adoption

- > **Aerospace Engine Manufacturers and Suppliers**
  - Rolls Royce, Airbus, MTU, Pratt & Whitney, GE, Snecma and major suppliers
    - Sector led ATA agreement to apply UID construct on **ALL** production
    - Consistent application at Prime and flow-down to **ALL** suppliers to sector
  - Commercial and Defense suppliers can use a single marking approach for all production at all levels of the supply chain
- > **Lockheed Martin**
  - Corporate Implementation Plan implementation underway for new and legacy systems
- > **Rockwell Collins**
  - Corporate implementation for printed data plates and labels through very low cost process change impacts 60%-75% of all items
- > **Joint Aeronautical Commanders Group (JACG)**
  - Established multi-national working group to:
    - assess aerospace corporate implementation plans
    - establish process for Technical Documentation changes
    - determine legacy data UID requirements